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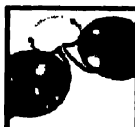
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The table of contents of this week's *Nature*, selected especially for physicists

researchhighlights

Galactic spectacles

Probing the Universe with gravitational lenses
(*Nature*, 27 June 2002)



Micro-quixotic

Control of micromachines no longer an exercise in tilting at windmills
(*App. Phys. Lett.*, 17 June 2002)



Thirsty bases

Hydroxide transport needs more water
(*Nature*, 27 June 2002)



In brief:
Perturbed by inflation

Detecting gravity waves in the cosmic background
(*Phys. Rev. Lett.*, 18 June 2002)



More highlights...

lookingback...

Classic physics papers from *Nature's* archives, including the discovery of the neutron, the structure of DNA, the first laser, and much more...

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Stimulating and informative reading from *Nature's* 'magazine' sections

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Browse *Nature's* recent archive of physics research and comment, collected by subfield

news

From *Nature*, 27 June 2002

Lack of funds puts 'bubble fusion' replication on hold
CERN puts research on hold to build collider

NASA launch heralds fresh wave of comet exploration

Astronaut lands top research post in new French government

Windy cities cause a storm for rain-soaked residents

Ancient rust-proofing shows Indians' metallic mastery

opinion: Anyone for neutrons?

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Embossing nanostructures

Pushing the limits of nanotechnology by direct nanoscale imprinting (*Nature*, 20 June 2002)

The future is silicon





Using silicon in the quantum computers of tomorrow (*Phys. Rev. Lett.*, 1 July 2002)

In brief: uncovering hidden order

New kinds of order in heavy fermion metals (*Nature*, 20 June 2002)

In brief: rough reflection

Rough mirrors bounce matter waves in straight lines (*Phys. Rev. Lett.*, 24 June 2002)

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From *Nature*, 20 June 2002

'Dirty bomb' scare prompts clampdown on lab security

Pentagon gets defensive over missile secrets

Astronomers give virtual observatory a real future

Nuclear lab relieved by Bush reversal on homeland security

Antarctic researchers' voyage home is put on ice

Rare atomic emission causes double delight

Taiwan's telescope totem takes top observatory post

Middle East nations hope to get in synch

Flurry of new planets has astronomers feeling jovial

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Atoms wired up

Nanoelectronic devices that use single atoms as electronic components

(*Nature*, 13 June 2002)



Cracking results

The physics of whips

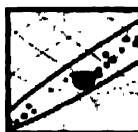
(*Phys. Rev. Lett.*, 3 June 2002)



Bringing the family together

An asteroid shatters across the Solar System — only 5.8 million years ago

(*Nature*, 13 June 2002)



Physics in biology: unzip code

Measuring the torsional friction of unzipping DNA

(*Phys. Rev. Lett.*, 3 June 2002)



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From *Nature*, 13 June 2002

US set to rejoin international fusion project
Detectors licked by gummy fingers

Science centres struggle as funds run out

Argentine crisis rattles cosmic-ray hunters

Nanotechnology panel calls for more collaboration

Tiny aircraft flies on a shaft of light

opinion: Pay or train to publish?

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Don't touch the sides



Measuring the confinement-induced phase shift of neutrons (*Nature*, 6 June 2002)

Deep thought



Determining the limits of the Universe as a supercomputer (*Phys. Rev. Lett.*, 10 June 2002)

Small but strong



Nanocrystals that surpass diamond in strength (*Appl. Phys. Rev.*, 3 June 2002)

In brief: crossing dimensions



Studying dimensional effects in layered electronic systems (*Nature*, 6 June 2002)

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